

BESHCHEV, B.P.

[Results of railroad operations in 1953 and ways of further increasing railroad transportation; report at an All-Union conference of active members of the railroad transportation system on May 4, 1954] Itogi raboty zheleznykh dorog za 1953 god i mery dal'neishego pod"ema raboty zheleznodorozhnogo transporta; doklad na Vsesoiuznom soveshchanii aktivy rabotnikov zheleznodorozhnogo transporta 4 maia 1954 goda. Moskva, Gos. izd-vo polit. lit-ry, 1954. 47 p.

(MLRA 7:10)

(Railroads)

BESHCHEV, Boris Pavlovich

[Railroad transportation in the U.S.S.R. in the sixth five-year plan]
Zhелеznodorozhnyi transport SSSR v shestoi piatiletke. Moskva,
Gospolitizdat, 1957. 173 p. illus. (MLRA 10:5)
(Railroads)

BESHCHEV, B.P.

Engineering reconstruction of traction in railroad transportation.
Elek. i tepl. tiaga no.1:3-7 '57. (MIRA 12:3)
(Railroads--Electrification) (Locomotives)

BESHCHEV, B.P.,

Put the work of the railroad industry on the level of the new tasks.
Zhel.dor.transp.39 no.2:3-10 F '57. (MLRA 10:3)

1. Ministr putey soobshcheniya SSSR.
(Railroad engineering)

BESHCHEV, B.P.

Railroad transportation in the land of victorious socialism.
Zhel.dor.transp. 39 no.11:3-11 N '57. (MIRA 10:10)

1.Ministr putey soobshcheniya SSSR.
(Railroads)

BESHCHEV, B.; CHEREDNICHENKO, Ye.

Fortieth anniversary of "Zheleznodorozhnyi transport." Zhel.
dor.transp. 41 no.8:2 Ag '59. (MIRA 12:12)

1. Ministr putey soobshcheniya (for Beshcheyev). 2. Predsedatel'
TSentral'nogo komiteta profsoyuza rabochikh zheleznodorozhnogo
transporta (for Cherednichenko).
(Railroads--Periodicals)

RESHCHEV, BORIS PAVLOVICH

Zheleznodorozhnyy Transport SSSR v 1959 [I. E.
tysyacha devyati sot pyat 'desyat devyatom_7-1965 gr.
Moskva, Gospolitizdat, 1960.

107 [3_7 p. illus., charts, tables (SSSR v
Semiletke)

Bibliography: P. [110-111_7

BESHCHEV, Boris Pavlovich; PODGORNOVA, V., red.; DANILINA, A., tekhn.red.

[Soviet railroad transportation during the period from 1959 to 1965] Zheleznodorozhnyi transport SSSR v 1959-1965 gg. Moskva, Gos.isd-vo polit.lit-ry, 1967. 107 p. (MIRA 13:6)

1. Ministr putey soobshcheniya (for Beshchev).
(Railroads)

BESHCHEV, B.P.

Toward a new upswing in the railroad transportation operations
during the second year of the seven-year plan. Zhel.dor.transp.
42 no.4:11-18 Ap '60. (MIRA 13:7)

1. Ministr putey soobshcheniya.
(Railroads)

BESHCHEV, B.P.

Mark the 22d Congress of the CPSU by a new upswing in transportation. Zhel.dor.transp. 43 no.2:3-10 F '61. (MIRA 14,4)

1. Ministr putey soobshcheniya SSSR.
(Railroads) (Socialist competition)

BESHCHEV, B.P.

The 22nd Congress of the CPSU and the tasks of railroad workers.
Zhel.dor.transp. 44 no.1:3-10 Ja '62. (MIRA 14:12)

1. Ministr putey soobshcheniya SSSR.
(Railroads)

BESHCHIEV, B.P.

The coordination of operations in transportation is the most important national task. Zhel.dor.transp. 44 no.11:3-9 N '62. (MIRA 15:11)

1. Ministr putey soobshcheniya SSSR.
(Transportation)

FAVOROVA, L.A.; CHERNYSHOVA, T.F.; BESHCHEVA, N.I.; MIKHAYLOV, A.K.

Possibility of transmission of tick-borne recurrent typhus by lice. Report No.2: Fate of the spirochetes of tick-borne recurrent typhus in the organism of the body louse in the first 24 hours following the infective feeding. Med. parazit. i parazit. bol. 34 no.6:733-737 N-D '65. (MIRA 18:12)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR i Psikhiatricheskaya klinicheskaya bol'nitsa No.1 imeni P.P. Kashchenko, Moskva. Submitted May 28, 1964.

Cand Med Sci

BESHCHEVA, N. I.

Dissertation: "Mechanism of Communicating European Relapsing Typhus."
12/1/50

Academy of Medical Sciences, USSR

SO Vecheryaya Moskva
Sum 71

BESHCHEVA, N.I., kandidat tekhnicheskikh nauk.

Ways of improving suburban traffic in the Moscow Railway Junction.
Zhel.dor.transp. 37 no.12:34-40 D '55. (MLRA 9:5)
(Moscow--Railroads--Stations)

BESHCHIEVA, N.I., kandidat

Parameters for railroad motorcars used on urban lines. Zhel. dor.
transp. 38 no.9:18-23 S '56. (MLRA 9:10)

(Railroad motorcars)

BESHCHEVA, N.I., kandidat tekhnicheskikh nauk.

Selecting electric cars for suburban lines. Zhel.dor.transp.
39 no.6:50-55 Je '57. (MIRA 10:7)
(Electric railroads)

BESHCHEVA, N.I., kand.tekhn.nauk

Construction of new motorcar rolling stock for suburban and
local transportation. Zhel.dor.transp. 40 no.4:16-23

Ap '58.

(MIRA 13:4)

(Railroads--Cars--Construction)

BESHCHEVA, N.I., kand.tekhn.nauk

Selecting the type of passenger platforms for electrified suburban lines. Zhel.dor.transp. 41 no.6:32-37 Ja '59.

(MIRA 12:9)

(Electric railroads--Stations)

BESHCHEVA, N.I., kand. tekhn. nauk; ROZENFEL'D, V.Ye., prof., retsenzent;
ZELENSKIY, Yu.I., inzh., retsenzent; CHERNYAVSKIY, V.Ya., inzh., red.;
USENKO, L.A., tekhn. red.

~~[Suburban traffic on electric railroads]~~ Prigorodnoe dvizhenie
na elektrifitsirovannykh liniyakh. Moskva, Vses. izdatel'sko-poligr.
ob'edinenie M-va putei soobshcheniya, 1961. 371 p. (Moscow.
Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo
transporta. Trudy, no. 23.) (MIRA 15:5)
(Electric railroads--Commuting traffic)

BESHCHEVA, N.I., kand.tekhn.nauk

Potentials for increasing the efficiency of traction by electric
multiple-unit cars. Zhel.dor.transp. 45 no.10:39-46 0 '63.
(MIRA 16:11)

BESHCHEVA, N.I., kand.tekhn.nauk

Basic problems in the improvement of passenger commuting traffic
on electrified lines. Zhel.dor.transp. 46 no.6:34-39 Je '64.
(MIRA 18:1)

L 26463-66 EWT(1)/T JK

ACC NR, AP6017378

(A, N) SOURCE CODE: UR/0358/65/034/006/0733/0737 ³²_B

AUTHOR: Favorova, L. A.; Chernyshova, T. F.; Beshcheva, N. I.; Mikhaylov, A. K.

ORG: Institute of Epidemiology and Microbiology im. N. F. Gamaleya, AMN SSSR
(Institut epidemiologii i mikrobiologii AMN SSSR); Psychiatric Clinical Hospital
No. 1 im. P. P. Kashchenko, Moscow (Psikhiatricheskaya klinicheskaya bol'nitsa No. 1)

TITLE: Possibility of the transmission of tick-borne recurrent fever by lice:
Report II. Fate of the spirochetes of tick-borne recurrent typhus in the organism of
the body louse during the first few days following intake of infected blood

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 34, no. 6, 1965,
733-737

TOPIC TAGS: medical experiment, animal parasite, experiment animal, infective
disease, pathogenesis

ABSTRACT: The authors present the results of experiments with the infection
of lice by tick-borne recurrent fever during pyrotherapy of six patients with
progressive paralysis by means of inoculation with tick-borne spirochetosis.
The lice were fed with the blood of patients and were then pulverized in a
mortar, combined with 1 cc of saline solution and intraperitoneally administered
to guinea pigs. Of the 55 guinea pigs injected, 43 became infected and 21

Card 1/2

UDC: 616.986.5-022.39:595.751.2+595.751.2.082.2:576.856.5

L 26463-66

ACC NR: AP6017378

died. The lice were dissected by the method described by Bechcheva (1949) and analyzed for the presence of spirochetes. Findings: Spirochetes of tick-borne recurrent typhus survive for the first few (up to 12) hours in the stomach of body lice fed with the blood of infected patients: this time span corresponds to the time span required to digest the blood. During the first 12 hours following intake of infected blood a negligible number of these spirochetes penetrates into the louse hemolymph. And it is exactly during these first 12 hours that the guinea pigs remain susceptible to infection with the louse suspension. This indicates that the morbidity of guinea pigs due to injection with infected lice during the first few hours following the feeding of lice with infected blood was attributable to the mechanical transfer of spirochetes together with the still undigested blood of the patient in the stomach and intestine of lice. Orig. art. has: 2 figures and 4 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 28May64 / ORIG REF: 003

Card 2/2

AUTHOR: Beshelev, S.D., Engineer

SOV/122-58-5-20/26

TITLE: On the Economics of a Production Plant (Ob ekonomichnosti tekhnologicheskogo osnashcheniya) Vol. 38

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 5, pp 72 - 74 (USSR): ^

ABSTRACT: The economics of introducing a new production plant is discussed. A criterion for the comparative effectiveness of production equipment is proposed, called the coefficient of relative effectiveness. This is defined as the product of the change in labour cost, the labour cost at the beginning of the period of comparison and a factor expressing the reduction in labour cost as a result of familiarisation - all this divided by the expenditure on the new plant. An example is given when equal labour cost economies are accompanied by unequal relative effectivenesses in two instances. There are 2 figures and 3 Soviet references.

Card 1/1 1. Industrial production--Economic aspects

I. 44544-65 EPF(c)/EPR/EPA(s)-2/EWP(j)/EWP(k)/EWA(c)/EWT(d)/EWT(m)/EWP(b)/
T/EWA(d)/EWP(w)/EWP(v)/EWP(t) Ps-4/Pf-4/Pr-4/PS-4 EM/RM/WW/JD/HM/HW/WB

ACCESSION NR AM5012737

BOOK EXPLOITATION

Stychinskiy, V. V.; Beshalev, S. D.

Prevention of scaling and methods for cleaning parts (Preduprezhdeniye obrazovaniya
okaliny i metody ochistki detaley) Moscow, Izd-vo "Mashinostroyeniye", 64.
0130 p. illus., biblio. Errata slip inserted. 4,700 copies printed.

TOPIC TAGS: metal scaling, metal surface, metal casting, metal forging, metal
heat treatment, metal corrosion, metallurgic process, pickling, metal oxidation,
surface saturation

PURPOSE AND COVERAGE: The book discusses problems in obtaining clean surfaces on
castings, forged pieces, welds and heat treated parts regardless of size and con-
figuration. It also examines the processes of corrosion, hydrogen absorption and
decarburization. A progressive technology of treating and cleaning metals is pro-
posed currently in use in both domestic and foreign industry. The necessary equip-
ment and composition of baths for these purposes are described. The book is recom-
mended for technical personnel and plant supervisors. It may also be useful to
students in technical schools.

TABLE OF CONTENTS:

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ACCESSION NR AM5012737

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Ch. I Scale formation — 5

Ch. II Prevention of scale formation and sticking in casting shops — 16

Ch. III Preventing scale formation in forges — 21

Ch. IV Preventing scale formation in heat treating shops — 36

Ch. V Strength of welded and plus welded joints — 51

Ch. VI Chemical and electrochemical cleaning — 96

Ch. VII Special methods of cleaning — 114

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SUBMITTED: 07Jul64

SUB CODE: MM

NO REF SOV: 044

OTHER: 002

B58

Card 2/2

TREGUBOV, Nikolay Nikolayevich; BALANTSA, Il'ya Ivanovich;
BESMENTSEV, Boris Konstantinovich; GRYAZNOV, Mikhail
Mikhailovich; KRAVCHENKO, S.F., inzh., retsenzent;
BULMAN, M.Ye., inzh., retsenzent; SINEL'NIKOV, I.D.,
spets. red.; KOVALEVSKAYA, A.I., red.

[Design and planning of the enterprises of the starch
and molasses industry] Proektirovanie predpriatii
krakmalc-patochnoi promyshlennosti. Moskva, Pishche-
vaia promyshlennost', 1964. 314 p. (MIRA 18:1)

BESHNEVLI, L.Ye. [Beshevli, L.IU.]

Spreading of cattle echinococcosis in Odessa Province. Pratsi Od. Un.
152 Ser. biol. nauk no.12:71-76 '62. (MIRA 17:9)

BESHEVLIEV, Ivan, inzh.

Concreting with a pneumatic cement gun. Khidrotekh i
melior 8 no. 10: 311-312 '63.

NIVINSKIY, Yevgeniy Borisovich; SHAFIRKIN, Boris Isaakovich; BESHENKO, I.M., inzh., retsenzent; POTAPOV, V.P., inzh., retsenzent; FERAPONTOV, G.V., inzh., red.; VOROTNIKOVA, I.F., tekhn. red.

[Freight transportation for agriculture] Perevozki грузов dla sel'skogo khoziaistva. Moskva, Transzheldorizdat, 1962. 86 p.
(MIRA 15:6)

(Freight and freightage)

BESHENKOV, A.K.; AVERICHEV, Yu.P., red.; KOVALENKO, V.L., tekhn.
red.

[Manual training in school workshops] Trudovoe obuchenie v
shkol'nykh masterskikh; iz opyta raboty v V-VII klassakh.
Moskva, Uchpedgiz, 1963. 185 p. (MIRA 16:7)
(Manual training--Methods and manuals)

BESHENTSEV, Aleksandr Vasil'yevich, kand. filos. nauk; ROMANOV, I.M.,
polkovnik, red.; KUZ'MIN, I.F., tekhn. red.

[Military ideology of the West German "revanchists"] Voennaia
ideologiya zapadno germanskikh revanshistov. Moskva, Voen.
izd-vo M-va obor. SSSR, 1962. 141 p. (MIRA 15:4)
(Germany, West--Military policy)

BESHENTSEV, D.

Freight hauling by general-use trucks in Tallinn. Avt.
transp. 33 no.4:11 Ap '55. (MIRA 8:7)
(Tallinn--Transportation, Automotive)

BESHENTSEV, D.

Accounting cards for taxicab drivers. Avt.transp. 39 no.9:57
S '61. (MIRA 14:10)
(Taxicabs--Accounting)

BESHENTSEV, D.

Improving the accounting for mileage. Av.transp. 40 no.7:39-
40 J1 '62. (MIRA 15:8)
(Transportation, Automotive--Accounting)

BESHENTSEV, N.G.

Fighting for the fulfillment of the seven-year plan ahead of time.
Tekst. prom. 19 no.11:72-74 N '59. (MIRA 13:2)

1. Nachal'nik sektora tekhnologicheskogo i nauchno-issledovatel'skogo
instituta Yaroslavskogo sovnarkheza.
(Yaroslavl Province--Textile industry)

Cracking units in the Androovskaya Valley. N. BEMISTEV. *Groznefti Neftyanik* 1, No. 8-10, 72-7(1931).—The layout of the new plant made by the trust "Grozneft" is criticized in detail by B. and the following procedure is recommended: Gas oil is cracked in a pipe still and passed through a reduction valve into an evaporator. The residue is withdrawn from the bottom while the vapors are passed into the bubble tower to sep. the gasoline. The cracked residue from the evaporator is passed into a steam-vacuum evaporator where an asphalt is obtained while the gas oil sep'd. as vapor is condensed.

A. A. BEMISTEV

LAR'KOV, A.; PLYUSHCHEVA, A.; CHIRKOV, D., khudozhnik (poselok Mstera);
BESHENTSEVA, I., khudozhnik (poselok Mstera); RABOTKOVA, I.,
kand. iskusstvovedeniya (g. Ivanovo)

Toward survey exhibitions. From.koop. 13 no.3:28-29 Mr '59.

- (MIRA 12:4)
1. Predsedatel' pravleniya Ural'skoy kamnerezhnoy arteli, Ordinskiy rayon, Permskoy oblasti (for Lar'kov).
 2. Starshiy inzhener-tekhnolog Nauchno-issledovatel'skogo instituta khudozhestvennoy promyshlennosti Rospromsoвета, g. Yelets, Lipetskoy oblasti (for Plyushcheva).
 3. Zamestitel' predsedatelya pravleniya arteli "Pobeda," g. Kirov (for Krupinin).

(Art industries--Exhibitions)

POLYAK, Janos; SZABO, Zoltan, dr.; BESENYEI, Miklos

Forum of the workers of Hungary; questions to be discussed at
the 20th Congress of the Hungarian Trade Unions. Munka 13
no.4:1-4 Ap '63.

1. Vas- es Femipari Dolgozok Szakszervezetének fotitkara (for
Polyak). 2. Orvos-Egesssegygyi Dolgozok Szakszervezete fotitkara
(for Szabo). 3. Postasok Szakszervezetének fotitkara (for
Besenyei).

BESHER, R.IA.

BESHER, R.IA. Problemy naseleniia v narodno-khoziaistvennom planirovanii. Moskva, 1937.
46 p.

NN

SO: LC, Soviet Geography, Part I, 1951, Uncl.

DLC: Unclass.

1. LEVITOV, A.I.; RESHETNIKOV, F.M.; SLEPTSOV, V.A.; KOLESNITSKAYA, I.M.
2. USSR (600'
4. Folk Literature
7. The people's way of life and folk works in the democratic literature of the 1960's (A.I. Levitov, F.M. Reshetnikov, V.A. Sleptsov). I.M. Kolesnitskaya, Uch. zap.Len.un. no. 158, 1952.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

ONDRACHEK, Ya.; KRAL', L.; BENDA, R.; BESHETS, M.; RUZHKOVA, L.

Outbreaks of aseptic forms of meningitis induced by ECHO virus
(type 9) in child centers. Sov.med. 23 no.12:81-86 D '59.

(MIRA 13:4)

1. Iz kafedry infektsionnykh bolezney (rukovoditel' - dotsent Ya.
Ondrachek) i iz kafedry epidemiologii (rukovoditel' - dotsent K.
Makovichka) meditsinskogo fakul'teta Karlova universiteta, Gradets-
Kralove, Chekhoslovakiya.

(MENINGITIS virol.)

(VIRUS DISEASES in inf. & child.)

BESHEV, D.

Contribution of the Palamara Wild-Animal Breeding Station to the development of
our game hunting. p. 422.

(GORSKO STOPANSTVO, Vol. 12, Nov. 1956, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

SAVCHUK, N.A. [Savchuk, M.P.], prof.; GUBSKIY, V.S. [Hubs'kyi, V.S.];
BESHEVLI, L.Ye. [Beshevli, L.IU.]

Distribution of the lancet-shaped fluke (*Microcoelium lanceatum*) in
the districts of Odessa Province near the Danube and Dniester Rivers.
Pratsi Od. Un. 152 Ser. biol. nauk no.12:13-15 '62. (MIRA 17:9)

1. Chlen-korrespondent AN UkrSSR (for Savchuk).

USSR/Zooparasitology - Helminths.

G.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67534

Author : ~~Beshevli, L. Y.~~

Inst : Odessa University.

Title : The Distribution of Liver Trematodes Among the Large and Small Cattle of Odesskaya Oblast'.

Orig Pub : Nauchn. yezhegodnik, Odessk. un-t, 1956, Odessa, 1957, 251-252.

Abstract : After a complete investigation of helminths it was found that 368 out of 1643 cows had fasciolosis (22%) and 13 out of 36 sheep (36%); 512 out of 1407 cows had microcellosis (36%) and 21 out of 36 sheep (58%).

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USSR / Zooparasitology - Helminths.

G-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 81732

Author : Besheviy, L. Yu.

Inst : Odessa Univ.

Title : A Study of Helminthofauna of Sheep in the Odessa District

Orig Pub : Pratsi Odesk. un-tu, ser. biol. n., Tr. Odesk. un-ta,
ser. biol. n., 1957, 147, No 8, 159-163

Abstract : In dissecting 16 sheep and in coprological analyses of
700 animals, 14 pathogenic helminths were identified (2
trematode species, 3 cestodes, and 9 nematode species),
among them Fasciola hepatica, Dicrocoelium lanceatum,
Moniezia expansa, Echinococcus granulosus, Haemonchus
contortus, etc.

Card 1/1

BESHEVLIEV, Boian

The wonderful Yap island group. Prir i znanie 14 no.5:22-24 My '61.
(EEAI 10:9/10)

(Yap Island—Description and travel)

BESHEVLIEV, Ivan, inzh.

Approximate estimate of rock pressure in tunnel
construction. Stroitelstvo 10 no. 6: 15-18 N-D '63.

BESHIDZE, A.

U S S R .

✓ Synthesis of acetylenic γ -diketones. A. I. Nogaideli, K. Tsiskarishvili, and A. Beshidze (Tbilisi State Univ. Tbilisi). *Sbornik State Odesk. Khim. 2*, 1630-41(1953).
To 4 g. (PhCHOHC₂)₂ in 60 ml. Et₂O was added in 10 min. 30 g. K₂Cr₂O₇, 38 g. concd. H₂SO₄ and 90 ml. H₂O, below

27°. After stirring 5 hrs. there was obtained 60% (BzC₂)₂, m. 111-12° (from EtOH); the same product forms even without the solvent. Similarly (p-MeC₆H₄CHOHC₂)₂ gave after 10 hrs. 30.4% (p-MeC₆H₄COC₂)₂, m. 98-100° (if the original diol m. 122-3°). A 50% yield is attained by keeping the mixt. at 50°. If the diol used is the isomer, m. 169-70°, the reaction is very slow and after 22 hrs. yields 48% of the same product; semicarbazone, m. 162-4°.

G. M. Kusolapoff

BESHIDZE, A.; NOGAYDELI, A. I.; TSISKARISHVILI, K.

Synthesis of Acetyl -Diketones, page 1639, Sbornik statey po obshchey khimii, (Collection of Papers on General Chemistry), Vol II, Moscow-Leningrad, 1953, pages 1680-1686.

Laboratory of Organic Chemistry, Tbilisi State U

DESHNIZE V L.

[illegible]

**Dissertation für degree of
Candidate Physio-Mathem**

Def. at
Tbilisi State U.

BESHIDZE, V.L.

Concerning the exchange interaction of the external and internal
electrons in ferromagnetism. Zh.eksper.teor. Fis. 23, No.1, 55-9
'52. (MIRA 5:9)
(PA 56 No.667:4901 '53)

Translation from: Referativnyy Zhurnal Fizika, 1959, Nr 5, p 131 (USSR) SOV/58-59-5-10827

AUTHOR: Beshidze, V.

TITLE: Relaxation Phenomena With Allowance for Exchange Interaction Between Inner Ferromagnetic and Outer Electrons

PERIODICAL: Tr. Sukhumsk. gos. ped. in-ta, 1956, Vol 9, pp 397 - 398 (Georg.)

ABSTRACT: Using Vonsovskiy's theory (allowance for exchange interaction between ferromagnetic 3d electrons and 4s conduction electrons), the author calculated magnetic relaxation time in ferromagnetics. The estimated relaxation time comes to $t \approx 10^{-9} \cdot T^{-1/2}$ sec. This agrees with the experimental data for high temperatures.

G. Khutsishvili



Card 1/1

24(3); 24(8)

AUTHOR:

Beshidze, V. L.

SOV/56-36-3-46/71

TITLE:

On the Thermodynamic Theory of Ferromagnetic Resonance
(K termodinamicheskoy teorii ferromagnitnogo pogloshcheniya)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,
Vol 36, Nr 3, pp 926-928 (USSR)

ABSTRACT:

A ferromagnetic sample located in a variable magnetic field absorbs part of the field energy; the main reason for this is the adjustment time of the equilibrium of the internal spin system, which is different from zero, and the adjustment time, which is also different from zero, of the equilibrium between spin system and lattice (spin-lattice relaxation). In the present paper it is shown that for an isotropic ferromagnetic medium near Curie (Kyuri) temperature it is possible to establish a law for describing ferromagnetic resonance if the thermodynamic potential is known in concrete form. The non-equilibrium state of the system can be characterized by a thermodynamic potential which depends on the non-equilibrium thermodynamic parameters. The author assumes a ferromagnet without hysteresis to be in an external magnetic field, while the amplitudes of the constant and of the variable field

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SOV/56-36-3-46/71

On the Thermodynamic Theory of Ferromagnetic Resonance

are in planes that are vertical to each other, - or, that $\vec{H}_0$ and $\vec{h}$ are in the z-direction. For these two cases equations are derived for a non-equilibrium thermodynamic potential of the form

$$\Phi = \Phi_0 + \alpha M^2 + \frac{1}{2} \beta M^4 - MH' \quad (\Phi_0, \alpha, \beta - \text{temperature}$$

and pressure functions, M - magnetization, H' - effective magnetic field); these equations describe the susceptibility ratio; moreover, an expression is derived for the average energy absorbed by the spin system. There are 5 references, 4 of which are Soviet.

ASSOCIATION: Sukhumskiy pedagogicheskiy institut (Sukhumi Pedagogical Institute)

SUBMITTED: December 19, 1957 (initially) and September 29, 1958 (after revision)

Gard 2/2

36938

347900

S/181/62/004/007/007/037
B102/B104

AUTHOR: Beshidze, V. L.

TITLE: Tensor theory of ferromagnetic resonance

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1748 - 1751

TEXT: The tensor theory of ferromagnetic resonance by J. A. Young and E.A. Uehling (Phys. Rev. 94, 544, 1954) is generalized. The influence which the effective magnetic field exerts on the shape of the resonance absorption curve is taken into account, making it possible to determine the resonance frequency more exactly. The effective magnetic field is considered to be superimposed to the external field, the exchange field, and the anisotropic demagnetizing field. When the field of the exchange forces which is connected with the inhomogeneity of the magnetization distribution also is considered the resonance absorption curve becomes narrower. This agrees well with the experimental results (Kittel, Phys. Rev. 80, 918, 1950). This field also depends on the rate of displacement of the ferromagnetic domain boundaries (Kittel, Phys. Rev. 73, 155, 1948). On the basis of the tensor

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theory expressions are obtained for the magnetic permeability:

$$\mu_{(x,y)} = 1 + \frac{4\pi\gamma M_0 [X, Y] (\omega_0^2 - \Omega^2 - 2i\xi\Omega)}{(\omega_0^2 - \Omega^2)^2 + 4\Omega^2\xi^2},$$

$$x = -i \frac{4\pi\gamma M_0 (\omega_0^2 - \Omega^2 - 2i\Omega\xi)(\xi + i\Omega)}{(\omega_0^2 - \Omega^2)^2 + 4\Omega^2\xi^2}.$$

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parallel magnetization

$$\begin{pmatrix} \mu^2 \\ x, y \end{pmatrix} = \mu^{-1} \chi = \begin{pmatrix} \mu' & -i\mu'' \\ x, y & x, y \end{pmatrix}$$

$$\left. \begin{aligned} \mu' &= 1 + \frac{4\pi\gamma^2 M_0 [X, Y] (\omega_0^2 - \Omega^2)}{(\omega_0^2 - \Omega^2)^2 + 4\Omega^2 \xi^2} \\ \mu'' &= \frac{4\pi\gamma^2 M_0 [X, Y] 2\Omega \xi}{(\omega_0^2 - \Omega^2)^2 + 4\Omega^2 \xi^2} \\ x' &= \frac{4\pi\gamma M_0 (\omega_0^2 - \Omega^2 - 2\xi^2) \Omega}{(\omega_0^2 - \Omega^2)^2 + 4\Omega^2 \xi^2} \\ x'' &= \frac{4\pi\gamma M_0 (\omega_0^2 + \Omega^2) \xi}{(\omega_0^2 - \Omega^2)^2 + 4\Omega^2 \xi^2} \\ \omega_0^2 &= \gamma^2 H_0 (H_0 + 4\pi M_0) + \xi_1^2 \\ \xi_1 &= \tau^{-1} - 4\pi M_0 \gamma \end{aligned} \right\}$$

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perpendicular magnetization

$$\begin{pmatrix} \mu^2 + \chi \\ x, y \end{pmatrix} = \begin{pmatrix} \mu' & -i\mu'' \\ x, y & x, y \end{pmatrix}$$

$$\left. \begin{aligned} \mu' &= 1 + \frac{4\pi\gamma M_0 [X] (\omega_0 - \Omega)}{(\omega_0 - \Omega)^2 + \xi^2} \\ \mu'' &= \frac{4\pi\gamma M_0 [X] \xi}{(\omega_0 - \Omega)^2 + \xi^2} \\ x' &= \frac{4\pi\gamma M_0 (\omega_0 - \Omega - \xi) \Omega}{(\omega_0 - \Omega)^2 + \xi^2} \\ x'' &= \frac{4\pi\gamma M_0 (\omega_0^2 - \Omega^2)}{(\omega_0 - \Omega)^2 + \xi^2} \\ \omega_0^2 &= \gamma^2 (H_0 - 4\pi M_0)^2 + \tau^{-2} \end{aligned} \right\}$$

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$\mu = \mu' + i\mu''$, $\kappa = \kappa' + i\kappa''$; $\omega_0^2 = \gamma^2 [\bar{X}] [\bar{Y}] + \xi^2$ is the resonant frequency; $\checkmark$

$$X = H_0 + (N_x - N_z) M_0, \quad Y = H_0 + (N_y - N_z) M_0.$$

where τ is the relaxation time, $\gamma = ge/2mc$ is the gyromagnetic ratio, g is the spectroscopic splitting factor, $\alpha = 4J\gamma^2/aM_0^2$, J is the exchange integral, $\bar{e}$ is the electron spin, a is the atomic radius, M_0 is the magnetic moment of equilibrium state, N is the demagnetization factor,

$$\xi = \tau^{-1} + \gamma(\alpha' \Omega^2 - N_y M_0), \quad \alpha' = \alpha V^{-2} M_0, \quad \Omega = \beta \omega, \quad \beta = 1 + \alpha'.$$

V is the rate of displacement of the ferromagnetic domain boundaries. The results are used to calculate the absorption energy. The exchange forces influence resonance absorption in the metal if the penetration depth of the h-f field is 10^{-5} cm. At low temperatures and smaller penetration depth the influence becomes more pronounced.

ASSOCIATION: Sukhumskiy gosudarstvenny pedagogicheskiy institut im. A. M. Gor'kogo (Sukhumi State Pedagogical Institute imeni A. M. Gor'kiy)

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Tensor theory of ...

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SUBMITTED: January 25, 1962

Card 5/5

BESKARAVAYNAYA, M.A.

Ecology of the flowering and fruiting of box elder and its hybrids. Bot. zhur. 46 no.8:1171-1177 Ag '61. (MIRA 15:1)

1. Nikitskiy botanicheskiy sad, Yalta.
(Box elder)

BESHKAREV, M.M.

(Veterinarian, Novosibirsk Oblast Hippodrome). Treatment of strangles in Horses with 'sulcimide'.

SO: Veterinariya; Vol. 28, no. 11, November 1951

YAKOVLEV, N.P., polkovnik; SOKOLOV, N.A., polkovnik; ~~BESHKAREV, N.A.,~~
podpolkovnik; FEDYAYEV, P.V., podpolkovnik; MEL'NIK, K.S.,
general-leutenant, red.; YEMEL'YANOV, V.T., polkovnik, red.;
VOLKOVA, V.Ye., tekhn.red.

[Textbook for the potential draftees] Uchebnik doprizyvnika.
Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 375 p.

(MIRA 13:11)

(Russia--Army--Handbooks, manuals, etc.)

RESHKAREV V. (g.Gor'kiy)

RESHKAREV, V. (g.Gor'kiy)

Concerning a problem. Mat. v shkole no.5:90 S-0 '55. (MLRA 8:11)
(Algebra--Problems, exercises, etc.)

~~BESHKAPY~~ V.P. (Ger'kiy)

Has the equation an interrogative meaning? Mat. v shkele no.5:
81 S-O '56. (Equations) (MLBA 9:10)

BETANELI, A.M., kand. med. nauk; BESHKENADZE, G.Yo.; YASHVILI, A.A.

Removal of the transverse colon in a patient following stomach
resection performed by the Hofmeister-Finsterer method.

Khirurgia 38 no.12:108-109 D '62.

(MIRA 17:6)

1. Iz khirurgicheskogo otdeleniya Kutaysskoy gorodskoy bol'nitsy
No.2 (glavnyy vrach A.S. Dzotsenidze).

BESHKENADZE, V. B.

"Investigation of the Influence of the Geometry of Wheel and Rail, Spring Suspension, and the Rigidity of Frames on the Safety of Railroad Car Movement." Cand Tech Sci, Moscow Order of Lenin and Order of Labor Red Banner Inst of Railroad Transport Engineers imeni I.V. Stalin, Min Transportation USSR, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: Sum. No. 556, 24 Jun 55

LARINA, Tamara Zakharovna; MILOSERDOV, Vladimir Dmitriyevich; BESHKE-
NADZE, V.B., kandidat tekhnicheskikh nauk, redaktor; KHITROV, P.A.,
tekhnicheskiiy redaktor

[Experience in dispatching trains with complete brake equipment]
Opyt otpravleniya poezdov s polnym vklucheniem tormoznykh pri-
borov. Moskva, Gos. transportnoe zhel-dor. izd-vo, 1955. 18 p.
(Railroads--Brakes) (MLRA 8:6)

VINOGRADOV, Georgiy Petrovich; GUDKOV, Vadim Nikolayevich; NAUMOV, Ivan Varfolomeyevich; ~~BESHKENADZE, V. P.~~ kandidat tekhnicheskikh nauk, redaktor.

[Investigation of the strength of parts for railroad car wheels]
Issledovanie prochnosti elementov vagonnykh kolesnykh par. Moskva, 1957. 74 p. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy no.132). (MLBA 10:8)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Ivanov).
(Car axles)

BESHKINAUZE, V.B., kand.tekhn.nauk

~~Guiding capacity of railroad-car wheel pairs. Trudy DIIT no.26:~~

290-321 '58.

(MIRA 11:7)

(Car wheels)

BESHKETO, V.K., inzhener (stantsiya Cheremoshniki); SHAPOCHKIN, P.Ya.
(stantsiya Cheremoshniki); ZAPKIN, P.YA. (stantsiya Cheremosh-
niki).

Container for transporting lumber. Zhel.dor.transp.39 no.1:69-70
Ja '57. (MLBA 10:2)
(Lumber--Transportation)

BESHKETO, V. K.: Master Tech Sci (diss) -- "Methods of improving the utilization of hoist cars in transporting coal and wood on the roads of the Urals and Siberia". Moscow, 1958. 15 pp (Min Transportation USSR, Moscow Order of Lenin and Order of Labor Red Banner Inst of Railroad Transport Engineers in I. V. Stalin MIIT), 150 copies (KL, No 6, 1959, 131)

RESHKETO, V.K., inzh. (Novosibirsk)

Improving the utilization of freight car capacity on the Ural and
Siberian lines. Zhel. dor. transp. 40 no.12:17-22 D '58. (MIRA 12:1)
(Railroads--Freight cars)

BESHKETO, V.K., kand.tekhn.nauk (g.Novosibirsk): PAVLOV, A.A., inzh.
(g.Novosibirsk)

Effectiveness of the specialization of unloading points. Zhel.
dor.transp. 42 no.6:25-29 Je '60. (MIRA 13:7)
(Railroads--Freight)
(Loading and unloading)

BESHKETO, V.K., kand.tekhn.nauk

Lumber transportation on foreign railroads. Zhel. dor. transp. 43
no. 1:88-89 Ja '61. (MIRA 14:4)
(Lumber--Transportation)

GRUSHEVSKIY, F.I., kand.tekhn.nauk (g.Novosibirsk); BESHKETO, V.K.,
kand.tekhn.nauk (g.Novosibirsk)

What causes the lack of rhythm in freight transportation on the
Tomsk Railroad and possibilities for its elimination. Zhel.dor.
transp. 43 no.3:34-37 Mr '61. (MIRA 14:3)
(Railroads—Freight)

BESHKETO, Vsevolod Kupriyanovich, kand. tekhn. nauk; GRIDASOV,
Nikolay Andreyevich, inzh.; KUZ'MIN, Aleksandr Nikolayevich,
inzh.; PAVLOV, Aleksandr Anatol'yevich, inzh.; EYGEL', I.Yu.,
inzh., red.; MAKUNI, Ye.V., tekhn. red.

[Specialized unloading points] Spetsializirovannye bazy vyg-
ruzki. [By] V.K.Beshketo i dr. Moskva, Vses. izdatel'sko-
poligr. ob"edinenie M-va putei soobshcheniia, 1962. 78 p.
(MIRA 15:3)

(Loading and unloading)

MARIN, N.V. (Novosibirsk); BESHKETO, V.K., kand.tekhn.nauk (Novosibirsk);
FLEYSHMAN, B.A., dotsent (Novosibirsk)

Important features of the preparation for mass transportation
of grain. Zhel.dor.transp. 44 no.6:33-37 Je '62. (MIRA 15:8)

1. Glavnyy inzh. gruzovoy sluzhby Zapadno-Sibirskoy dorogi
(for Marin). 2. Novosibirskiy institut inzhenerov zheleznodo-
rozhnogo transporta (for Fleyshman).
(Siberia--Grain--Transportation) (Railroads--Freight)

BESHKETO, V.K., kand. tekhn. nauk (Novosibirsk); VASIL'YEV, P.Ye.
(Novosibirsk)

Consolidation of railroad administrative units. Zhel. dor.
transp. 45 no.4:84-86 Ap '63. (MIRA 16:4)

1. Nachal'nik zheleznodorozhnogo otdela Zapadno-Sibirskogo
soveta narodnogo khozyaystva (for Vasil'yev).
(Railroads--Management)

BESHKETO, V.K., kand.tekhn.nauk, dotsent

Irregularity of freight operations and ways to reduce it.
Trudy NIIZHT no.25:5-26 . '61. (MIRA 16:11)

BESHKETO, V.K.; KOZLOVSKIY, M.G.; KUPRIN, V.A.; FLEYSHMAN, V.A.;
MALAKHOV, K.N., inzh., retsenzent; POTAPOV, V.P., inzh.,
red.; VOROB'YEVA, L.V., tekhn. red.

[Transportation service for industrial enterprises; from
the experience of the West Siberian Railroad] Transportnoe
obslyuzhivanie promyshlennykh predpriatii; iz opyta Zapadno-
Sibirskoi zheleznoi dorogi. Moskva, Transport, 1964. 86 p.
(MIRA 17:1)

SHKOL'D, Y.B., kand. tekhn. nauk (Novosibirsk)

providing for coal preservation in high-speed train transportation.
Iz. dar. transp. 46 no.10:27-29 O '64. (EIR: 17:11)

LYUBASHENKO, Sergey Yakovlevich, prof.; PETROV, Aleksandr Mikhaylovich,
prof.; BESKHLEBNOV, Yu.A., red.; DEYEVA, V.M., tekhn. red.

[Diseases of fur-bearing animals] Bolezni pushnykh zverei. Mo-
skva, Sel'khozizdat, 1962. 214 p. (MIRA 15:11)
(Fur-bearing animals--Diseases and pests)

BAKULOV, I.A., kand. veter. nauk; BESKHLEBANOV, Yu.A., red.; DEYEVA,
V.M., tekhn. red.

[Practical exercises in epizootology and microbiology] Prakticheskie zaniatiia po epizootologii s mikrobiologiei. Moskva, Sel'khozizdat, 1962. 247 p. (MIRA 15:12)
(VETERINARY MEDICINE) (VETERINARY MICROBIOLOGY)

YAKOVLEV, Dmitriy Filippovich; KUZNETSKIY, Gennadiy Ivanovic;
BESHKIN, Grigoriy Mikhaylovich; FRENKEL', M.Z., nauchnyy
red.; SHAKHOVA, L.I., red.; NESYSLOVA, L.M., tekhn.red.

[Training of electricians for work on high-voltage power
transmission lines and substations] Podgotovka elektro-
monterov vysokovol'tnykh liniy peredachi i podstantsii.
Moskva, Proftekhizdat, 1961. 90 p. (MIRA 15:10)
(Electricians--Education and training)

BESHKOV, Anastas S (Acad.)

1964

Geography

DECEASED

c. '64

BESHKOV, M.; TATAROV, G.

Serological studies on saccharomycetic fungi. Pts. 7-8.
Izv Vet inst virus 2:135-150 '63

BESHKOV, M. N.

• Bulgaria /Microbiology. Sanitary Microbiology.

F-5

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35636

Author : Pashev II.P.; Beshkov, M.N.; Lambrev, B.K.

Title : A Study of the Residual Microflora in Sterilized Canned Foods

Orig Pub: Nauch. tr. Vissh. in-t khranit. i vkus. prom-st. Plovdiv, 1955, 2, 163-182

Abstract: Having studied 1169 tests of various canned goods, the authors found that 15.42% of them contained bacteria of up to 30 kinds, and most frequently of all (58.13%) they found spore-formers: B.mesentericus, B.subtilis, B.mycoides, and B.megatherium. Most of the non-sterile tins were among the vegetable canned foods without oil, particularly stewed fruit (29.03%), and the least among canned meats (5.74%). The authors consider that the

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• Bulgaria /Microbiology. Sanitary Microbiology.

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Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35636

residual microflora in the canned foods is chiefly of epiphytic origin from the original materials and only partially depends on additional contamination during the processing. To lessen the residual microflora of canned foods it is necessary to define more precisely the temperature cycle of sterilization, which evidently is not uniform for all types of canned goods, and also to observe the strict hygienic rules for the processing of the raw materials and the preparation of canned foods.

Card 2/2

BESHKOV, M.N.

In Title : *Investigation of Yeast Microflora in Regions of*
Vineyard in Bulgaria.
Author : Beshkov, M.N., *et al.*
Inst : *...*
Title : *Investigation of Yeast Microflora in Regions of*
Vineyard in Bulgaria.
Orig Pub : *Nauchn. tr. Vses. in-^t Mirmit i vnos. prom-st. Plovdiv,*
1976, 3, 34-43
Abstract : No abstract.

Card 1/1

BULGARIA / Microbiology. Technical Microbiology. F-3

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72015.

Author : Pashev, Il. P.; Beshkov, M. N.; Lambrev, B. K.
Inst : Higher Institute of Food and Confectionery Industry.

Title : Alcoholic Fermentation Experiments with Strains
of Saccharomyces oviformis and S. paradoxus.

Orig Pub: Nauchn. tr. Vissh. in-t khranit. i vkus. prom-st,
Plovdiv, 1956, 3, 125-144.

Abstract: It was established that strain 620 S. oviformis
forms 15.85% of alcohol at 18°, and 15.36% at
27°, per 1 g. of fruit juice which contains
293.08 g/l. of sugar. Strain 451 S. paradoxus
forms 15.07% of alcohol at 18° and 12.32% at 25-
27°; the quantity of alcohol which is formed by

Card 1/2

PASHEV, I.P.; BESHKOV, M.N.; LAMBREV, B.K.

Examination of yeast fungi in wine grapes in Bulgaria. Izv. Mikrob. inst.,
Sofia no.8:119-156 1957.

(FRUITS,

grapes, isolation of yeasts)

(YEASTS,

isolation on yeasts)

PASHEV, Il.P., Dots.; BESHKOV, M.N., st. assist.; LAMBREV, B.K., assist.

Fermentative activity of some yeasts. Izv. Mikrob. inst., Sofia no.8:
197-207 1957.

(YEASTS

fermentative activity of 18 types)

(FERMENTATION

fermentative activity of 18 types of yeasts)

MITEV, Ir.P.; PASHEV, Il.P.; KHARIZANOVA, M.S.; LAMBREV, B.K.; BESHKOV, M.N.

Effect of some factors on biosynthesis of L-ascorbic acid by molds.

Izv. Mikrob. inst., Sofia no.8:209-221 1957.

(FUNGI, metab.

biosynthesis of L-ascorbic acid)

(VITAMIN C, metab.

L-ascorbic acid biosynthesis in molds)

BESHKOV, M. N., AGAIN, I., POPOVA, Ya. G., (USSR)

"Biosynthesis of Analogues of B₁₂ Containing 5,6-
Cimethylbenzimidazole Substituted on the Second Carbon Atom."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow,
10-16 Aug. 1961.

BESHKOV, N.

Quality of and data on oil transformers. p. 3.
ELEKTROENERGIYA, Sofiya, Vol. 6, no. 2, Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

BESHKOV, N.

BESHKOV, N. Impressions of the Soviet Union's heavy industry. p. 21.

Vol. 7, no. 11, Nov. 1956

ELEKTROENERGIYA

TECHNOLOGY

Bulgaria

So: East European Accession, Vol. 6, No. 5, May 1957

BESHKOV, N.

"For or against soaking the coils of oil transformers with lacquer."

ELEKTROENERGIJA, Sofia, Bulgaria, Vol. 10, no. 3, Mar. 1959.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, ^{Ser.} ~~Jun~~ 59,
Unclas